

HINGE LAYOUT

SERIES AF220 FIBERGLASS INSWING DOOR (LMI & SMI)

- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2006 INTERNATIONAL BUILDING CODE AND THE 2006 INTERNATIONAL RESIDENTIAL CODE, INCLUDING HIGH VELOCITY HURRICANE
- DOOR RATED FOR LARGE AND SMALL MISSILE IMPACT AND DOES NOT REQUIRE SHUTTERS.
- THIS DOOR IS APPROVED FOR AIR AND WATER INFILTRATION.
- ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR
- ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.
- MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2006 INTERNATIONAL BUILDING CODE AND THE 2006 INTERNATIONAL RESIDENTIAL CODE SECTION AS APPLICABLE.
- METAL STRUCTURES NOT BY SPECIAL-LITE, INC. MUST SUPPORT LOADS IMPOSED BY DOOR SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.
- WOOD BUCKS BY OTHERS MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

- A LOAD DURATION FACTOR IN ALLOWABLE STRESS IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.
- DOOR PANEL: 0.120" FRP FIBERGLASS TEXTURED PANEL DOOR FRAME: PULTRUDED FIBERGLASS
- ULTIMATE DESIGN LOAD OBTAINED FROM ASCE 7-10, MULTIPLY BY 0.6, SHALL BE LESS THAN OR EQUAL TO MAX. DESIGN LOAD IN THIS DOCUMENT.

NOTES:

EGRESS REQUIREMENTS TO BE REVIEWED BY BUILDING OFFICIAL.

HARDWARE:

KABA 790 RFID MORTISE LOCK WITH KEY OVERRIDE (OR EQUIVALENT), 40 1/2" FROM BOTTOM W/ (2) 12 X 1" FH SMS, (2) 10-32 X 1/4" FH MS AND (3) 12-24 X 15/16" FH MS. MOUNT METALLIC STRIKE PLATE, 40" FROM BOTTOM W/ (2) 1 X 1 1/2" FH SMS.

SURFACE MOUNT METALLIC KEEPER, 1 5/8" FROM BOTTOM W/ (3) 8 X 3/4" FH SMS.

IVES 253 SURFACE BOLT AT TOP AND BOTTOM.

HINGES: (3) 4 1/2" SURFACE MOUNT HAGER BB 1191 (OR EQUIVALENT) METALLIC BUTT HINGES W/ (4) 12 X 1" FH SMS TO FRAME AND PANEL, (8) TOTAL SCREWS PER HINGE.

DESIGN LOADS

(FOR SIZES SHOWN ABOVE OR SMALLER)
AS PERMITTED BY IBC/IRC

+75.0 PSF - 75.0 PSF

PRODUCT CONTROL APPROVAL

ABBREVIATIONS AND SYMBOLS

D.O. - DOOR OPENING F.H. - FRAME HEIGHT

F.W. - FRAME WIDTH

R.O. - ROUGH OPENING

W - WITH

WO - WITHOUT

O.C - ON CENTER

SECTION NUMBER

SHEET WHERE SECTION IS DRAWN

JOO PIN PANG

AS SHOWN OJECT 16-107

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SPECIAL-LITE, INC.
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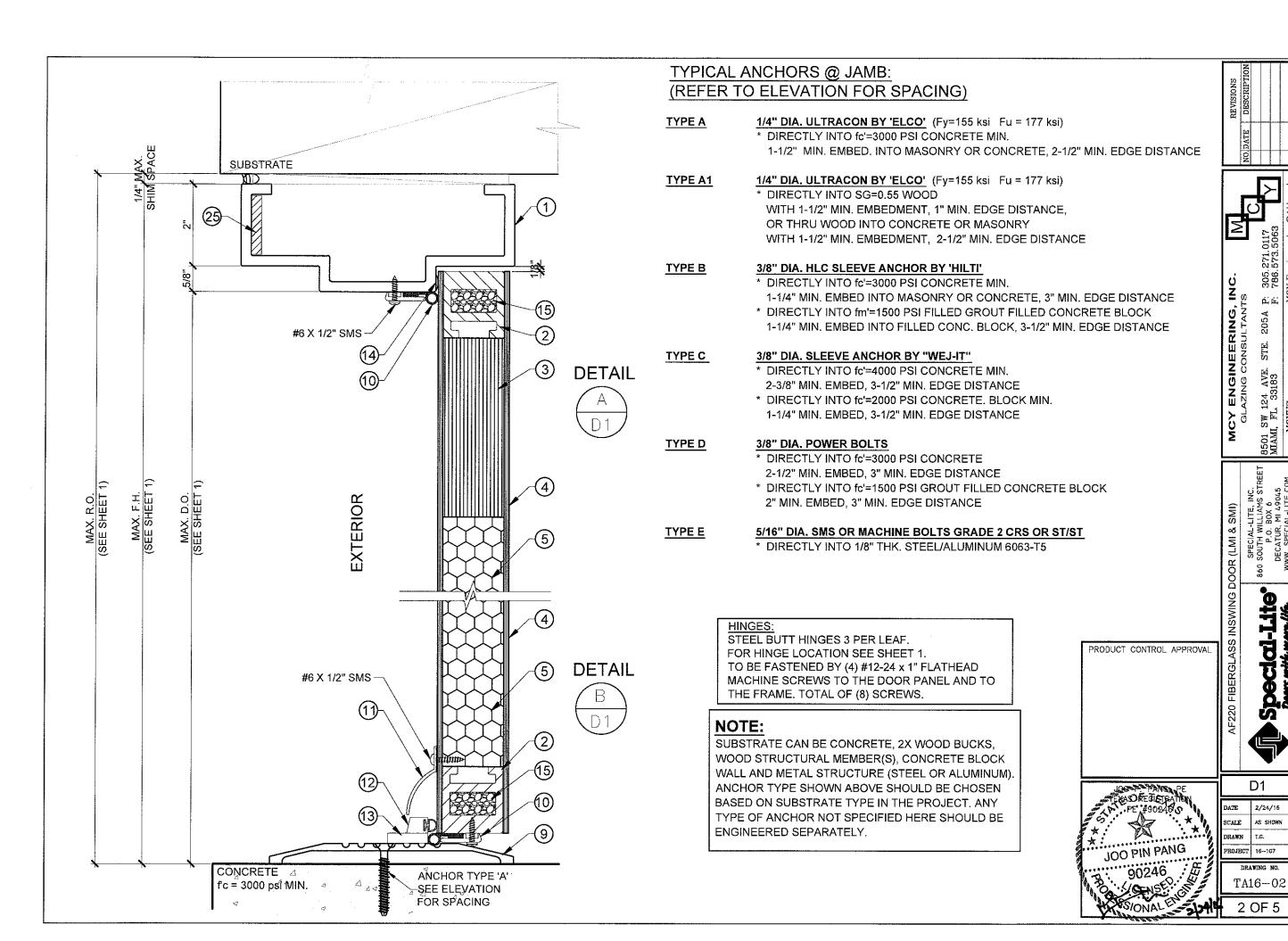
INSWING DOOR (LMI & SMI)

MCY ENGINEERING, INC. GLAZING CONSULTANTS

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1 OF 5

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8501 SW 124 AVE. MIAMI, FL. 33183

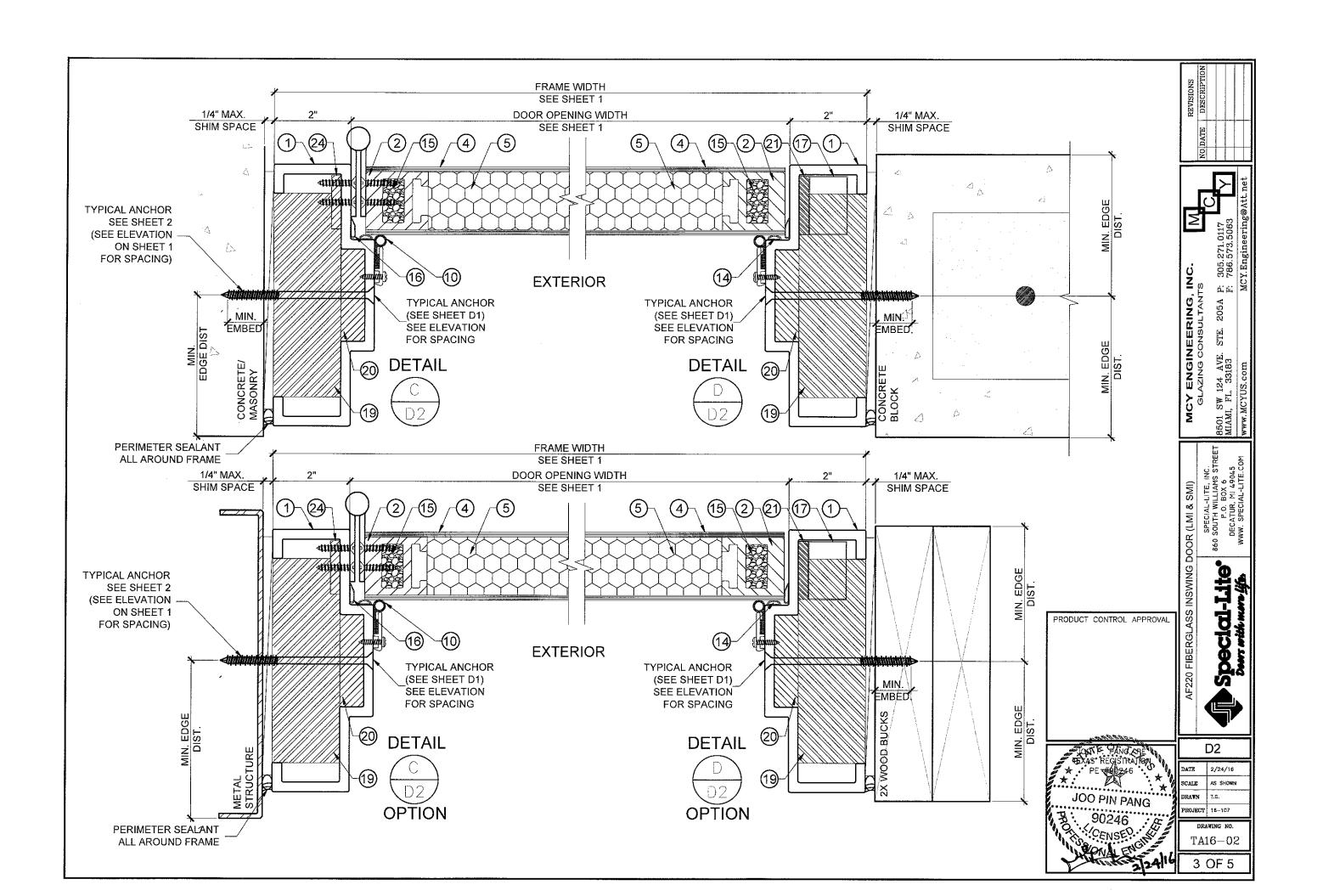
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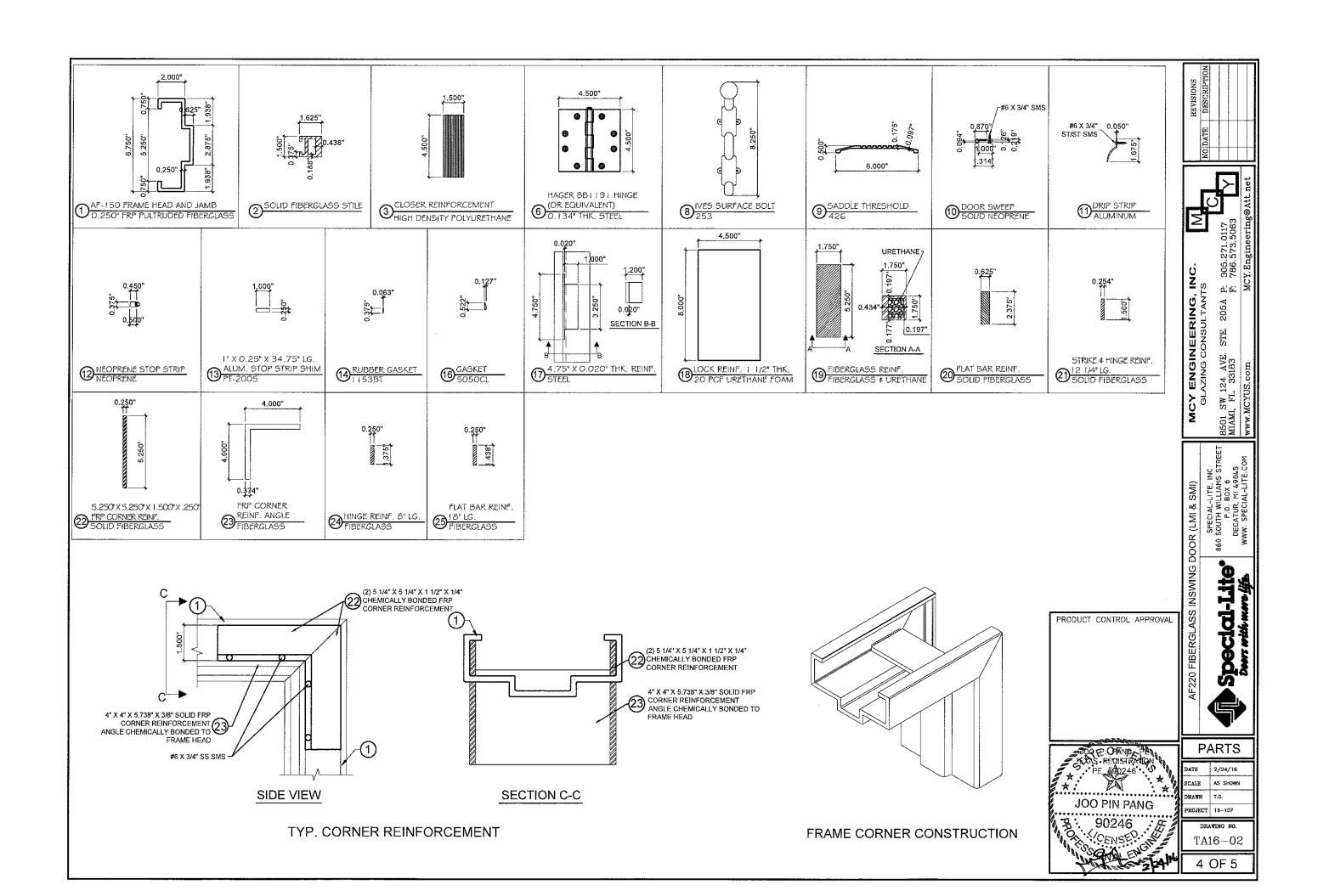
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T.G.

2/24/16

AS SHOWN





				BILL OF MATERIALS		NS NS
ITEM	PART NO.	MATERIAL	QTY.	DESCRIPTION	MANUFACTURER / SUPPLIER / REMARKS	REVISIONS
1	AF-150	PULTRUDED FIBERGLASS	AS REQD.	FRAME JAMB / HEAD (6 3/4" X 2")	SPECIAL-LITE INC. (0.250" THK.) Fy=40.8 KSI MIN.	
2	-	PULTRUDED FIBERGLASS	AS REQD.	SOLID FIBERGLASS STILE	SPECIAL-LITE INC.	EIII SA
3	_	URETHANE	AS REQD.	4 1/2" X 1 1/2" X 20" 20 PCF URETHANE CLOSER REINFORCEMENT	CHEMICALLYBONDED	
4	_	FIBERGLASS	AS REQD.	0.120" SANDSTONE TEXTURED FACE SHEET	SPECIAL-LITE INC.	
5	PP8-80	POLYPROPYLENE	AS REQD.	AIR-COMB POLYPROPYLENE HONEYCOMB DOOR PANEL CORE	POLY-U-MAC	1
6	BB1191	ST/ST	3	HAGER BB1191 (OR EQUIVALENT) 4 1/2" SURFACE MOUNT METALLIC BUTT HINGE	HAGER, ATTACHED W/ (4) 12 X 1" FH SMS TO FRAME AND (4) 12 X 1" FH SMS TO PANEL	Z
7	790	ST/ST	1	KABA 790 (OR EQUIVALENT) RFID MORTISE LOCK SET W/ KEY OVERRIDE	KABA	ڪا∥
8	253	STEEL	AS REQD.	IVES 253 SURFACE BOLT	IVES	
9	426	ALUM.	AS REQD.	SADDLE THRESHOLD	NATIONAL GUARD PRODUCTS	
10	328AA	SOLID NEOPRENE	AS REQD.	DOOR SWEEP	ZERO INTERNATIONAL	L S E
11	17	ALUMINUM	AS REQD.	RAIN DRIP GUARD	NATIONAL GUARD PRODUCTS	"
12	2N	NEOPRENE	AS REQD.	NEOPRENE STOP STRIP	NATIONAL GUARD PRODUCTS	GINEERING
13	PT-2005	ALUM.	AS REQD.	1" X 0.25" X 34.75" LG. ALUMINUM STOP STRIP SHIM	-	₹
14	1153BT	RUBBER	AS REQD.	RUBBER SEAL	TRIM-LOK	H = 2
15	<u>.</u>	URETHANE	AS REQD.	URETHANE FOAM	-	Z
16	5050CL	SILICONE	AS REQD.	ADHESIVE SILICONE GASKET	NATIONAL GUARD PRODUCTS	0 2
17	-	STEEL	AS REQD.	4.745" X 0.020" THK. STEEL REINFORCEMENT	BEHIND STRIKE PLATE, ATTACHED W/ (2) 12 X 1 1/2" FH SMS	□ Ş
18	_	URETHANE FOAM	AS REQD.	4 1/2" X 1 1/2" X 8" LG. 20 PCF URETHANE FOAM REINFORCEMENT	INSIDE PANEL AT LOCK LOCATION, CHEMICALLY BONDED	¿ ē
19	-	FIBERGLASS & URETHANE	AS REQD.	1 3/4" X 1 3/4" X 5 3/4" LG. FIBERGLASS BLOCK REINFORCEMENT	INSIDE FRAME JAMB AT EACH ANCHOR LOCATION, CHEMICALLY BONDED	MC
20	-	FIBERGLASS	AS REQD.	1 3/4" X 2 3/8" X 5/8" THK. FIBERGLASS FLAT BAR REINFORCEMENT	BEHIND EACH FRAME JAMB BLOCK, CHEMICALLY BONDED TO FRAME	
21	-	FIBERGLASS	AS REQD.	1 1/2" X 12 1/4"LG X 0.254" THK. FIBERGLASS FLAT BAR REINFORCEMENT	AT STRIKE PLATE LOCATION, CHEMICALLY BONDED	
22	_	FIBERGLASS	AS REQD.	5 1/4" X 5 1/4" X 1 1 /2" X 1/4" THK. FRP CORNER REINFORCEMENT	FASTENED TO 4" X 4" ANGLE USING (4) 8 X 3/4" FH SMS AND CHEMICALLY BONDED	(LMI & SMI)
23	-	FIBERGLASS	AS REQD.	4" X 4" X 5.738" X 0.374" THK. SOLID FRP CORNER REINFORCEMENT ANGLE	AT UPPER CORNER, CHEMICALLY BONDED	DOOR (LMI &
24	-	PULTRUDED FIBERGLASS		1 3/8" X 8" LG. X 1/4" THK. HINGE REINF.	CHEMICALLY BONDED TO FRAME	.)
25	<u>-</u>	FIBERGLASS	AS REQD.	1 7/16" X 18" X 1/4" THK. FIBERGLASS FLAT BAR REINFORCEMENT	AT FRAME HEAD, CHEMICALLY BONDED TO FRAME	

